

KELVIN NG'ENO

Full Stack Software Engineer & AI Specialist

Nairobi, Kenya

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[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

PROFESSIONAL SUMMARY

Innovative Full Stack Software Engineer with over 5 years of experience specializing in web and mobile application development, AI integration, and scalable solutions. Proven track record of delivering high-performance applications with a focus on user experience and technical excellence. Expertise in cloud deployment, Linux systems, and DevOps practices.

CORE COMPETENCIES

- **Full Stack Development:** React, Next.js, Vue.js, Django, Node.js, RESTful APIs
 - **Mobile Development:** React Native, Expo, iOS & Android Development
 - **AI & Machine Learning:** Generative AI, TensorFlow, Neural Networks, LLMs, Prompt Engineering, Pytorch, AI agents, Langchain.
 - **Cloud & DevOps:** AWS, Azure, Docker, Linux Administration, Bash Scripting, CI/CD
 - **Databases:** PostgreSQL, MongoDB, Redis, MySQL
 - **Design & Testing:** Figma, UI/UX Design, TDD, Jest, Integration Testing, End to End testing, Cypress, Playwright.
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PROFESSIONAL EXPERIENCE

Full Stack Mobile App Developer | Jobzy Limited

March 2024 - Present

Led development of multiple mobile and web applications within the Jobzy ecosystem:

- Built the Talent Jobs App, enabling seamless job search across the Web, iOS and Android

platforms. With more than 10k users.

- Developed Jobzy Service Provider App facilitating service listing and management
- Created Client App for service procurement and provider interaction
- Integrated AI capabilities for resume generation, cover letter generation and job application email generation.
- Maintained high user satisfaction rating across all applications
- Got startup of the year awards

Technologies: React Native, Django, AI Integration, PostgreSQL, Azure, Real time chat.

Consultant Developer & UI/UX designer | Mes & Dak Corporation

October 2024 - Freelance

I conducted detailed code, performance and UI/UX reviews of the M'Network and M'Butic platforms:

- Conducted comprehensive code, performance, and UI/UX reviews for the M'Network and M'Butic platforms, identifying critical bottlenecks and areas for improvement.
- Redesigned key user interface components to enhance usability and align with modern design principles in order to improve user retention and engagement on the social commerce platforms.
- Delivered actionable insights through detailed reports that were used by the development team to implement best practices in coding standards, accessibility, and responsive design.
- Provided strategic recommendations to enhance user flows, reducing friction points and improving overall platform satisfaction scores.

Full Stack Engineer | M-jenzi

January 2023 - March 2024

Led development of award-winning construction sector e-commerce platform:

- Architected and built a multivendor e-commerce platform.
- Developed comprehensive vendor dashboard with advanced analytics
- Developed an admin portal for vendor approval, users management and low level product management.
- Created React Native mobile app for construction materials procurement
- Implemented robust Django backend with REST APIs
- Optimized platform performance reducing load times by 40% by modifying the

architecture.

- Managed cloud infrastructure using AWS and Azure
- Received #1 Kenya E-commerce Award for Construction Websites

Technologies: Django, Node.js, React, React Native, PostgreSQL, AWS, Azure, Redis

Founder | Dissolve Software

2024 - Present

Established software development company focusing on custom solutions:

- Launched ManticeAI.com, a generative AI platform with pay-as-you-go model
- Developed multiple AI tools for content generation and processing
- Implemented secure payment systems and user management using Paystack
- Built scalable architecture supporting concurrent users
- Managed Linux-based cloud infrastructure

Technologies: Python, Django, Next.js, AWS, Linux, Docker

Mobile App Developer | Snobole Software

January 2022 - June 2022

- Developed comprehensive laundry service mobile application
- Implemented laundry service procurement.
- Implement payments using Stripe on React Native
- Created intuitive booking system with payment integration

Technologies: React Native, Expo, Stripe.

Full Stack Developer | Wera

June 2022 - November 2022

- Built service procurement and job listing platform
- Developed mobile application using React Native
- Created Django backend with REST APIs
- Implemented user authentication and authorization
- Integrated payment gateways
- Added Real time chat system using Django.

Technologies: Expo, React Native, Django, PostgreSQL

KEY PROJECTS

ManticeAI Platform (Personal SaaS - manticeai.com)

- Designed and built a cutting-edge generative AI platform offering a suite of AI-powered tools tailored for various content creation needs.
 - Implemented a flexible pay-as-you-go billing model, enabling users to scale services according to demand.
 - Integrated advanced AI models such as Claude, OpenAI, and Stable Diffusion for text and image generation.
 - Deployed on robust Linux servers on azure & neon with automated scaling capabilities to ensure high availability and optimal performance.
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FarmZ Expense Management (App & Web)

- Designed and developed a farm management application focused on tracking and categorizing large-scale expenses efficiently.
 - Built the web admin dashboard for low level admin features like user management, expense categories management and data exporting.
 - Built a comprehensive financial reporting system to provide detailed insights into farm spending and profitability.
 - Developed a react native mobile application for seamless field operations, ensuring ease of use in remote locations.
 - The application turned out to be a great time saver for the farm managers, eliminating the use of excel sheets, and the need for manual calculations which were largely inefficient and would take a lot of time to get insights from.
 - Enhanced financial transparency by 70%, enabling better decision-making and cost management for farm operations.
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Mtandao Platform (mtandao.xyz)

- Developing an innovative website builder platform designed to empower service providers

to establish an online presence effortlessly.

- Engineered customizable pricing models to cater to diverse user needs and service complexities.
 - Created a fully responsive, intuitive, and user-friendly interface using Next.js, enhancing usability and SEO performance.
 - Focused on providing a seamless user experience with advanced customization options.
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TECHNICAL EXPERTISE

Development & Programming Languages:

- Proficient in Python, JavaScript/TypeScript, HTML5, CSS3.
- Using frameworks and libraries such as React, Next.js, Vue.js, Django, Flask, Node.js, and Express.
- Skilled in mobile application development using React Native and Expo and Deployment to App Store, Play store etc.
- Proficient in REST API development.
- Test-Driven Development (TDD) with tools like Jest, Pytest, Playwright and Cypress.

AI & Machine Learning:

- Experienced in building and implementing Generative AI platforms.
- TensorFlow, neural networks, and scikit-learn.
- Specialized in building AI agents, prompt engineering and integrating AI models such as OpenAI, Claude, and Stable Diffusion.
- Knowledgeable in AI tool development and automation for productivity.

DevOps & System Administration:

- Advanced Linux system administration, including Bash scripting and automation.
- Skilled in CI/CD pipeline implementation with GitHub Actions
- Proficient in Docker containerization, Kubernetes orchestration, and cloud services (AWS, Azure, GCP).
- Expertise in configuring and managing Nginx and Apache servers.

Database & Caching:

- Experienced in relational and NoSQL databases, including PostgreSQL, MongoDB, MySQL, and SQLite.
- Knowledge in Redis caching, database optimization, query performance tuning, and

schema design.

- Proficient in managing cloud-based database services, backing up data, point in time restoration, database migration.

Frontend & Design:

- Proficient in responsive web design, UI/UX design principles, and tools like Figma, Canva, Blender 3D.
- Skilled in Tailwind CSS, SCSS, Shadcn-UI and many other tools, libraries and frameworks for UI development.
- Expertise in performance optimization for web applications and animations using GSAP, Framer Motion etc.
- Knowledge of Frontend End to End Testing Frameworks Playwright, Cypress
- Knowledge of SEO best practices, accessibility, and web performance analytics using tools like Lighthouse and PageSpeed Insights.

Project Management & Collaboration Tools:

- Skilled in project management and collaboration tools such as Asana and Slack.
- Proficient in version control using Git, GitHub, GitLab, and Bitbucket.
- Experienced in Agile and Scrum methodologies for efficient project delivery.

LANGUAGES

- English: Fluent
- Kiswahili: Fluent